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**From:** Lavoie, Emma [Lavoie.Emma@epa.gov]  
**Sent:** 8/4/2018 2:45:40 PM  
**To:** Thayer, Kris [thayer.kris@epa.gov]  
**CC:** Shams, Dahnish [Shams.Dahnish@epa.gov]; Bahadori, Tina [Bahadori.Tina@epa.gov]; Jones, Samantha [Jones.Samantha@epa.gov]; Ramasamy, Santhini [Ramasamy.Santhini@epa.gov]; Bateson, Thomas [Bateson.Thomas@epa.gov]; Avery, James [Avery.James@epa.gov]; Wright, Michael [Wright.Michael@epa.gov]; Kraft, Andrew [Kraft.Andrew@epa.gov]  
**Subject:** Re: Mn discussion R5

Yes. Get the Mn out but with a long review period given the handbook.

- Emma

On Aug 4, 2018, at 10:37 AM, Thayer, Kris <thayer.kris@epa.gov> wrote:

Well, we just released the IRIS Handbook for Agency review (~230 pages) with a deadline of August 24<sup>th</sup>.

How about we aim to release August 9 or 10<sup>th</sup> and ask for comments by Sept 7 (acknowledging the deviation from our normal 2-week IAP review process to accommodate the IRIS Handbook review)?

I realize we could also just wait until later in August to release but I think I prefer to signal the forward momentum (and be able to check the box on Agency review for GAO audit purposes).

I don't think a September 7 date will slow us down given that the memo hasn't even been distributed yet.

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**From:** Shams, Dahnish  
**Sent:** Friday, August 3, 2018 3:46 PM  
**To:** Thayer, Kris <thayer.kris@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>; Bateson, Thomas <Bateson.Thomas@epa.gov>; Avery, James <Avery.James@epa.gov>; Wright, Michael <Wright.Michael@epa.gov>  
**Subject:** RE: Mn discussion R5

Definitely sounds encouraging. We should talk about timing and duration of the Agency Review next week as soon as the document is ready to go.

- Dahnish

Integrated Risk Information System (IRIS) Program  
National Center for Environmental Assessment  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

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**From:** Thayer, Kris  
**Sent:** Friday, August 03, 2018 2:33 PM  
**To:** Lavoie, Emma <Lavoie.Emma@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>; Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>; Bateson,

Thomas <[Bateson.Thomas@epa.gov](mailto:Bateson.Thomas@epa.gov)>; Avery, James <[Avery.James@epa.gov](mailto:Avery.James@epa.gov)>; Wright, Michael <[Wright.Michael@epa.gov](mailto:Wright.Michael@epa.gov)>

**Subject:** Re: Mn discussion R5

This sounds encouraging!

Exciting to go through agency review - this IAP reveals very complex and sophisticated problem formulation activities. It will be a great addition to show the diversity of IAPs we have

Sent from my iPhone

On Aug 3, 2018, at 1:02 PM, Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)> wrote:

Hi All,

We had a good conversation with George Bollweg today. A few highlights:

## Ex. 5 Deliberative Process (DP)

Current version attached FYI.

-Emma

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Emma T. Lavoie, PhD  
Tel: 202.564.7091

<Appendix A Mn Literature Search 08022018 (Advance Copy).pdf>

<Appendix B Comparison of effects in children versus adults 08022018 (Advance Copy).pdf>

<Appendix C Mn PK 08022018 (Advance Copy).pdf>

<Mn IAP draft final 08022018 (Advance Copy).pdf>